



US Army Corps
of Engineers®



Black Rock Lock and Tonawanda Harbor, NY

Harbor Features

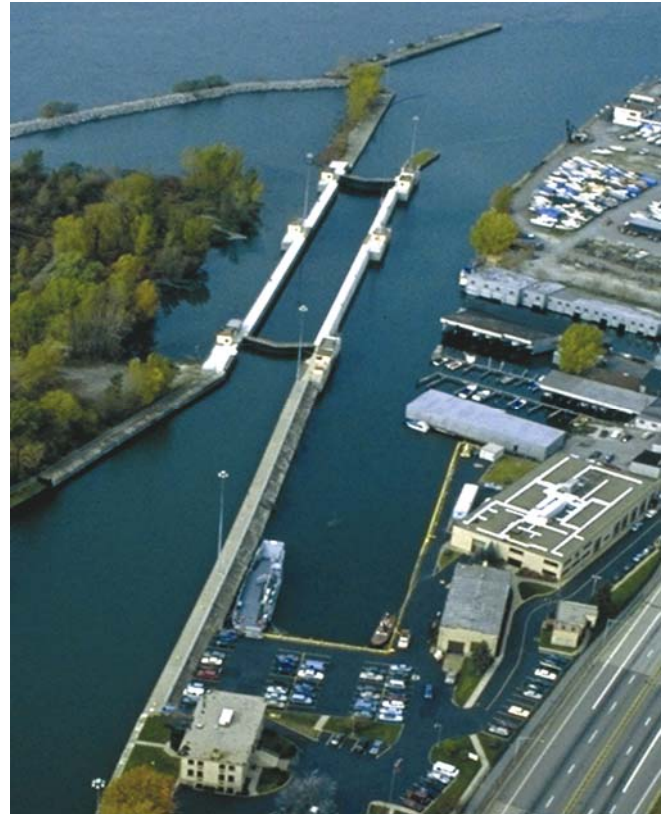
- Located on Niagara River in the city of Buffalo, Erie County, New York.
- Authorization: River & Harbor Acts of 1888, 1902, 1905, 1916, 1919, 1922, 1925, 1934, 1935, 1945 and 1954.
- Deep draft commercial project.
- The Black Rock Lock and Channel permit pleasure craft and commercial vessels to travel between Buffalo Harbor and Tonawanda Harbor.
- The Black Rock Lock can accommodate pleasure craft and commercial vessels up to 625 feet long with drafts up to 21 feet.
- The Bird Island Pier is approximately 2 miles long and forms the west side of the Black Rock Channel.
- The Black Rock Channel is a 3.5 mile Federal Channel connecting Buffalo Harbor and Black Rock Lock.
- Major stakeholders include U.S. Coast Guard, Marathon Ashland Petroleum, NOCO Energy Corp., United Refining Co., and NRG Huntley Power Plant.

Project Needs

- In addition to routine operation and maintenance, the Lock also requires the following repairs: operating and guard gate sill repairs and lower gate fendering repairs.
- The current sediment backlog within the functional channel areas is estimated at approximately 675K cubic yards.

Consequences of Not Maintaining the Project

- Total or temporary closure of the lock.
- Significant loss of jobs both locally and regionally.
- Eliminate US connection to Intercoastal Waterway from Lake Erie.



- Inability for commercial vessels to reach delivery destinations on the Upper Niagara River.

Transportation Importance

- Commodities shipped or received through the lock include coal and petroleum.
- The lock provides the only means for deep draft commercial vessels to reach delivery ports on the upper Niagara River; including a major coal power generation plant, fuel storage facilities and refinery.
- Bulk commodities that pass through Black Rock Lock and Tonawanda Harbor generate approximately \$5M annually in direct revenue which supports over 72 jobs.
- These jobs generate over \$2.7M per year in personal income.

**U.S. Army Corps of Engineers Fiscal Year (FY) 2007, 2008 and 2009
Black Rock Lock and Tonawanda Harbor, New York
Project Needs and President's Budget (\$1,000)**

Work Package	FY07 Need	FY07 Work Plan	FY08 Need	FY08 Budget	FY09 Need	FY09 Budget*
Project Condition Surveys	26	26		0	35	
Maintenance Dredging – Backlog Work Package				0	1,094	
Operation of Lock	650	650	758	758	775	
E&D, Bird Island Pier Repair	200					
E&D and Construction, Removal of Middle Gates	700					
Construction, Lower Gate Fendering	200	0	200			
Structure Repair – Bird Island Pier	190					
Construction, Repair Lower Operating Gate Sill	150	0	150			
Construction, Repair Lower Guard Gate Sill	150	0	200			
Maintenance of Lock	400	259	425	425	400	
Facility Security	50	30	50	50	20	
Snagging and Clearing (F/P)		0	40	40	40	
Public Visitation Tracking, Bird Island Pier	15	15	10	10	10	
Environmental Inventory		0	20	20	0	
Historic Properties Management Plan	6	6	65	65	50	
Water Control Data Collection				0	37	
Sediment Sampling & Analysis				0	70	
TOTALS	2,737	986	1,918	1,368	2,531	

* FY09 President's Budget will be available in February 2008